

Session 2

Eng/ Ahmed Magdy

What is Programing language

Some instruction

- 1) Step 1
- 2) Step 2
- 3) Step 3
- 4) Step 4
- 5) Step 5



What is Programing language

عايزين نعمل كبايه شاي ؟



1. قم بتسخين الماء في اناء علي النار
2. ضع كيس الشاي في الكوب
3. انتظر حتي يسخن الماء
4. صب الماء الساخن علي الكيس
5. ازل كيس الشاي بعد بضع دقائق
6. اضع ملعقة من السكر وقلب جيدا

What is Programing language

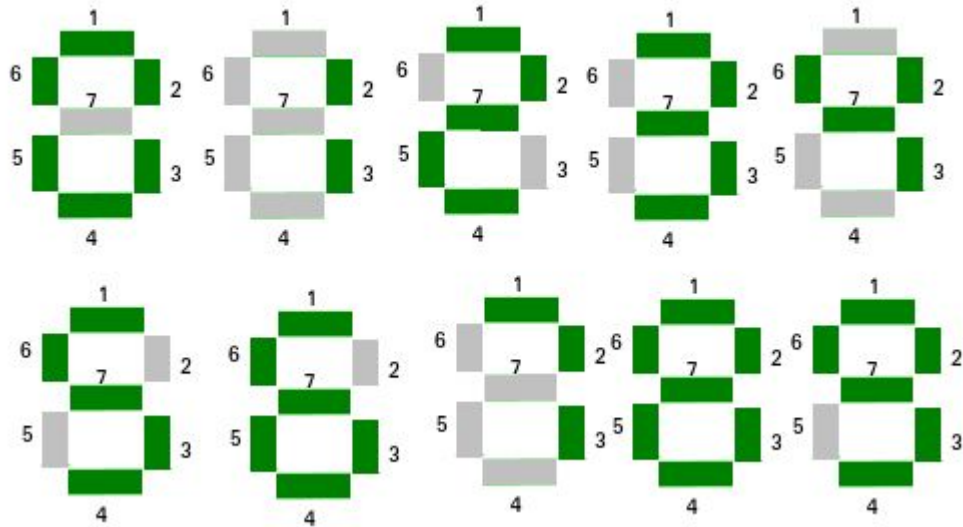
Can everyone understand this instruction ?



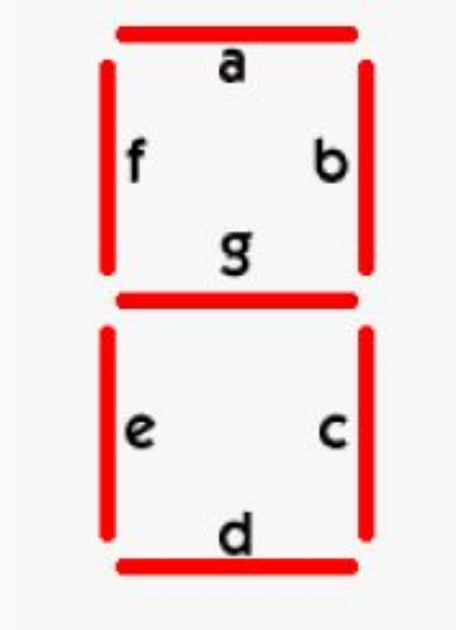
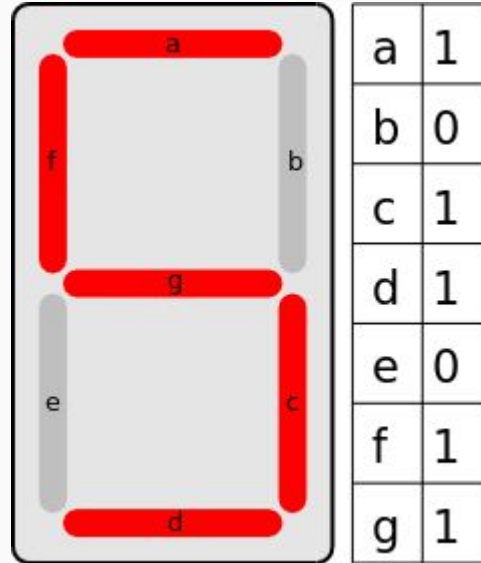
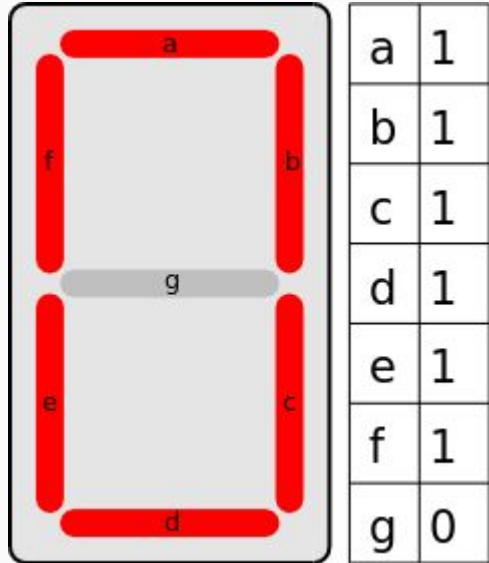
How to show number on Screen



How to show number on Screen



How to show number on Screen



Type of Programing Languages

Type of Programing Languages

LOW LEVEL

- Machine Language
- Assembly Language

HIGH LEVEL

- DART
- C#
- C++
- JAVA

- PHP
- Kotlin
- python
- JAVA

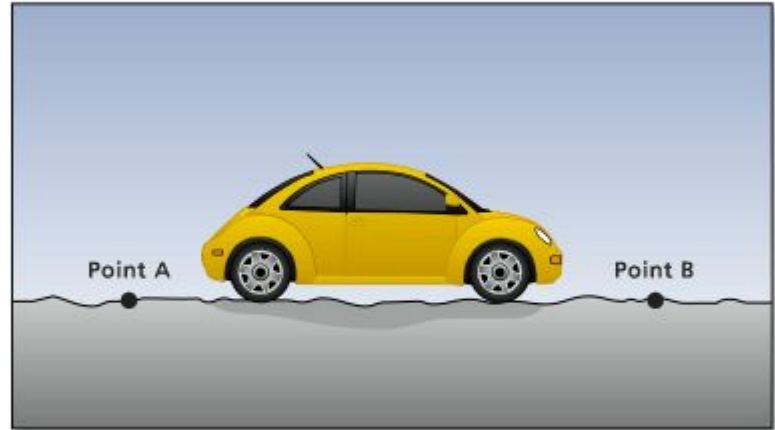
Programming Paradigm

Declarative

- * what is the result
- * Functional Programming

Imperative

- * how to get the result
- * Object Oriented Programming



Dart



Dart

How to install Dart

- 1) Download SDK of Dart from here : <https://dart.dev/get-dart>
- 2) Extract this file
- 3) Put path of bin folder in environment variables
- 4) Download visual studio code
- 5) Download dart extension in visual studio code

All this steps in this video : <https://youtu.be/lxU3MjRunWI>

You can also work in online tool : <https://dartpad.dev/?>

Dart

1. **Section Intro**
2. **The main method**
3. **Hello world**
4. **Variable declaration and initialization**
5. **Basic data types (int , double, num, bool, dynamic, var)**
6. **Exercise: printing variables**
7. **Initialization vs Assignment**
8. **Arithmetic Operation**